

=> d his

(FILE 'HOME' ENTERED AT 13:16:01 ON 07 JUN 2006)

FILE 'REGISTRY' ENTERED AT 13:16:09 ON 07 JUN 2006

L1 STRUCTURE UPLOADED

L2 0 S L1

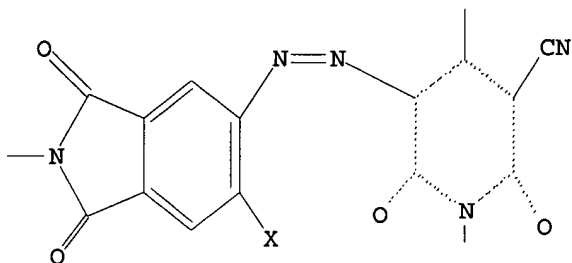
L3 3 S L1 FULL

FILE 'CAPLUS' ENTERED AT 13:16:44 ON 07 JUN 2006

L4 3 S L3

=> d que l4 stat

L1 STR



Structure attributes must be viewed using STN Express query preparation.

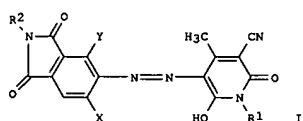
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L4 3 SEA FILE=CAPLUS ABB=ON PLU=ON L3

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L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:550985 CAPLUS
 DN 141:107626
 TI Phthalimidylazo dyes, processes for the preparation thereof and the use thereof
 IN Clement, Antoine; Arqint, Alfons; Leuk, Urs
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 18 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

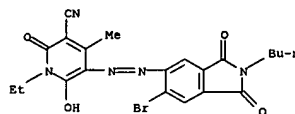
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004056926	A1	20040708	WO 2003-EP50956	20031208
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TG, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,				
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AU 2003300262	A1	20040714	AU 2003-300262	20031208
EP 1572808	A1	20050914	EP 2003-799542	20031208
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1729253	A	20060201	CN 2003-80107116	20031208
JP 2006510772	T2	20060330	JP 2004-561487	20031208
US 2006046596	A1	20060302	US 2005-538892	20050614
PRAI EP 2002-406118	A	20021219		
WO 2003-EP50956	W	20031208		
OS MARPAT 141:107626				
GI				



AB Disperse azo dyes containing phthalimidyl and pyridone groups with improved washfastness in dyeing of hydrophobic fibers have the structure: I (R1 = Cl-12 alkyl or CnH2n(OCH2CH2)mOR3, n = 2-8, m = 0-4, R3 = Cl-12 alkyl, C6-24 aryl, or C6-24 aralkyl, R2 = Me, Et, Pr, Bu, 2-methoxyethyl or 2-ethoxyethyl, X = halo, Y = H, Cl, or Br).

IT 717921-49-8P

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 RL: IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (disperse phthalimidylazo dyes contg. pyridone groups with improved washfastness in dyeing hydrophobic fibers)
 RN 717921-49-8 CAPLUS
 CN 3-Pyridinecarbonitrile, 5-[(6-bromo-2-butyl-2,3-dihydro-1,3-dioxo-1H-isoindol-5-yl)azo]-1-ethyl-1,2-dihydro-6-hydroxy-4-methyl-2-oxo- (9CI) (CA INDEX NAME)

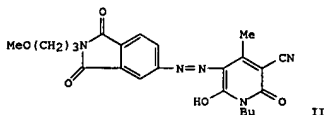
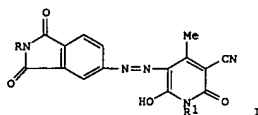


RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 2-3 bib abs hitstr

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1979:56333 CAPLUS
 DN 90:56333
 TI Pyridone azo dyes
 IN Imahori, Seiichi; Himeno, Kiyoshi; Okada, Itaru; Abe, Katsumi; Maeda, Shuichi
 PA Mitsubishi Chemical Industries Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN. CNT 1

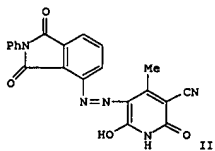
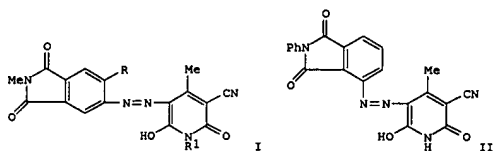
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 53119930	A2	19781019	JP 1977-35087	19770329
	JP 55030747	B4	19800813		
PRAI	JP 1977-35087	A	19770329		
GI					



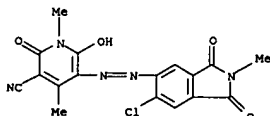
AB Greenish yellow pyridone azo dyes containing a phthalimide group (I; R, R1 = H, alkyl, aralkyl, aryl) were prepared and used for dyeing polyester fibers at 130°. For example, 5-amino-N-(3-methoxypropyl)phthalimide [26849-84-3] was diazotized and coupled with 1-butyl-3-cyano-6-hydroxy-4-methyl-2-pyridone [39108-47-9] to give II [68930-98-3].
 IT 64864-00-2
 RL: TEM (Technical or engineered material use); USES (Uses) (dye, for polyester fibers, manufacture of)
 RN 64864-00-2 CAPLUS
 CN 3-Pyridinecarbonitrile, 5-[(6-bromo-2,3-dihydro-2-methyl-1,3-dioxo-1H-isoindol-5-yl)azo]-1,2-dihydro-6-hydroxy-1-(3-methoxypropyl)-4-methyl-2-oxo- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1978:24246 CAPLUS
 DN 88:24246
 TI Azo dyes for polyester and acetate fibers
 IN Imahori, Seiichi; Okada, Itaru; Maeda, Shuichi
 PA Mitsubishi Chemical Industries Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 52085584	A2	19770715	JP 1976-2597	19760112
	JP 53022194	B4	19780707		
PRAI	JP 1976-2597	A	19760112		
GI					

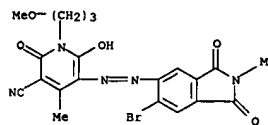


AB Polyester fiber was dyed with I (R = Cl, R1 = Me) [64863-99-6] and I (R = Br, R1 = (CH2)3OMe) [64864-00-2] and diacetate fiber with II [64864-01-3] in greenish yellow shade, and the dyes were prepared by coupling of diazotized aminonaphthalimides with appropriate pyridine derivs.
 IT 64863-99-6 64864-00-2
 RL: TEM (Technical or engineered material use); USES (Uses) (dyes, for polyester fibers, preparation of)
 RN 64863-99-6 CAPLUS
 CN 3-Pyridinecarbonitrile, 5-[(6-chloro-2,3-dihydro-2-methyl-1,3-dioxo-1H-isoindol-5-yl)azo]-1,2-dihydro-6-hydroxy-1,4-dimethyl-2-oxo- (9CI) (CA INDEX NAME)

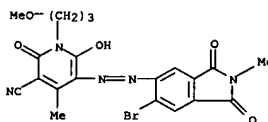


RN 64864-00-2 CAPLUS
 CN 3-Pyridinecarbonitrile, 5-[(6-bromo-2,3-dihydro-2-methyl-1,3-dioxo-1H-isoindol-5-yl)azo]-1,2-dihydro-6-hydroxy-1-(3-methoxypropyl)-4-methyl-2-oxo- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



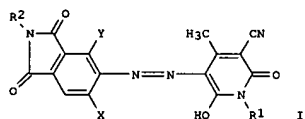
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L7	39	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	("LAUK URS"/AU OR "LAUK URS H"/AU)
L8	49	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L5 OR L6 OR L7
L9	6	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L8 AND PHTHALIM?

=> d 1-6 bib abs

L9 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:550985 CAPLUS
 DN 141:107626
 TI Phthalimidylazo dyes, processes for the preparation thereof and
 the use thereof
 IN Clement, Antoine; Arguint, Alfons; Lauk, Urs
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 18 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

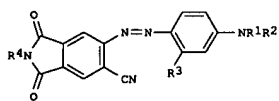
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004056926	A1	20040708	WO 2003-EP50956	20031208
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,			
TG AU 2003300262	A1	20040714	AU 2003-300262	20031208
EP 1572808	A1	20050914	EP 2003-799542	20031208
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1729253	A	20060201	CN 2003-80107116	20031208
JP 2006510772	T2	20060330	JP 2004-561487	20031208
US 2006046596	A1	20060302	US 2005-538892	20050614
PRAI EP 2002-406118	A	20021219		
WO 2003-EP50956	W	20031208		
OS MARPAT 141:107626				
GI				



AB Disperse azo dyes containing phthalimidyl and pyridone groups with improved washfastness in dyeing of hydrophobic fibers have the structure: I (R1 = C1-12 alkyl or C6-24 aralkyl, R2 = Me, Et, Pr, Bu, 2-methoxyethyl or 2-ethoxyethyl, X = halo, Y = H, Cl, or Br).

L9 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:430871 CAPLUS
 DN 140:424967
 TI Phthalimidyl-azo dyes, their production and their use
 IN Clement, Antoine; Arguint, Alfons; Lauk, Urs
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 20 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004044058	A1	20040527	WO 2003-EP12282	20031104
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RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,			
TG AU 2003276247	A1	20040603	AU 2003-276247	20031104
EP 1560883	A1	20050810	EP 2003-810962	20031104
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2006505662	T2	20060216	JP 2004-550922	20031104
US 2006101594	A1	20060518	US 2005-533010	20050428
PRAI EP 2002-405967	A	20021111		
WO 2003-EP12282	W	20031104		
OS MARPAT 140:424967				
GI				



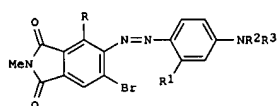
AB The invention relates to disperse azo dyes [I: R1 = 2-methoxyethyl, 2-ethoxyethyl, 2-(2-ethoxyethoxy)ethyl; R2 = optionally substituted C1-6-alkyl; R3 = Me, hydroxy, halogen, NHSO2R5, or NHCOR6, wherein R5 is Me or Et and R6 is Me, Et, methoxymethyl, or 2-methoxyethyl; R4 = Et, Pr] and also to a process for their preparation and to their use in the dyeing or printing of semi-synthetic and especially synthetic hydrophobic textile materials. I have good fastness to washing. In an example, 3-amino-4-bromo-N-ethylphthalimide was diazotized and coupled with 3-acetamido-N,N-bis(2-methoxyethyl)aniline to give a yellowish-brown monoazo product which was treated with cyanide (Br displacement) to give

L9 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS ON STN
 AN 2002:736334 CAPLUS
 DN 137:249071
 TI Phthalimideyl disperse azo dyes, their production and their use
 IN Clement, Antoine; Wilhelm, Jean-Claude; Arquint, Alfons
 ; Lauk, Urs
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002074864	A1	20020926	WO 2002-EP903	20020129
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1358273	A1	20031105	EP 2002-711819	20020129
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
CN 1491258	A	20040421	CN 2002-804649	20020129
JP 2004528435	T2	20040916	JP 2002-573863	20020129
US 2004116691	A1	20040617	US 2003-467263	20030804
US 7012137	B2	20060314		
PRAI EP 2001-810128	A	20010207		
WO 2002-EP903	W	20020129		
OS MARPAT 137:249071				
GI				

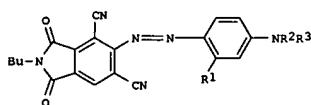


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AB The invention relates to bromophthalimide-based disperse monoazo dyes (I; R = H, Br; R1 = H, Me, Cl-4-alkylcarboxamido; R2, R3 = Cl-4-alkyl substituted by Cl-4-alkoxy), their production from 5-amino-N-methylphthalimide-based diazo components and substituted aniline coupling components, and their use in dyeing or printing semi-synthetic and especially synthetic hydrophobic fiber materials, especially textile materials. I are characterized

L9 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS ON STN
 AN 2002:676107 CAPLUS
 DN 137:202626
 TI Phthalimideyl azo disperse dyes, their production and their use on textiles
 IN Clement, Antoine; Wilhelm, Jean-Claude; Arquint, Alfons
 ; Lauk, Urs
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 14 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002068539	A1	20020906	WO 2002-EP904	20020129
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1358274	A1	20031105	EP 2002-719738	20020129
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CN 1491259	A	20040421	CN 2002-804702	20020129
JP 2004524408	T2	20040812	JP 2002-568642	20020129
TW 593555	B	20040621	TW 2002-91101964	20020205
US 2004097716	A1	20040520	US 2003-467263	20030804
PRAI EP 2001-810127	A	20010207		
WO 2002-EP904	W	20020129		
OS MARPAT 137:202626				
GI				



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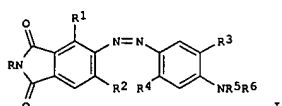
AB The present invention relates to disperse dyes (I; R1 = H, Me, Cl-4-alkoxycarbonylamino; R2, R3 = Cl-4-alkyl optionally interrupted by O) and their production from N-butyl-5-aminophthalimide diazo components as well as their use in dyeing and printing of synthetic hydrophobic textile materials. The dyes have good fastness properties, especially to washing. An example was given for the production of a blue dye using 5-amino-4,6-dibromo-N-butylphthalimide as the diazo component and 3-[N,N-bis(2-

L9 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)
 by good washing fastness. In an example, 5-amino-4,6-dibromo-2-methylphthalimide was diazotized and coupled with 3-acetamido-N,N-bis(2-methoxyethyl)aniline to give a dye which conferred red-brown shades on polyester.
 RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)
 methoxyethyl)amino]acetanilide as the coupling component; the Br groups in the coupling product were converted to CN in the final step. The dye was applied to polyester.
 RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2000:475732 CAPLUS
 DN 133:90729
 TI Phthalimidyli aro disperse dyes, their production and their use
 IN Lauk, Urs; Clement, Antoine; Dreier, Romeo;
 Argint, Alfons
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 27 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN. CNT 1

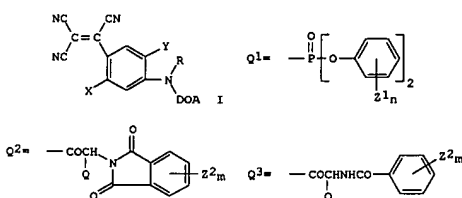
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000040656	A1	20000713	WO 1999-EP10396	19991227
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: CH, CM, KE, LS, MW, SD, SL, SE, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1141138	A1	20011010	EP 1999-965559	19991227
EP 1141138	B1	20040915		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002534551	T2	20021015	JP 2000-592357	19991227
AT 276319	E	20041015	AT 1999-965559	19991227
ES 2228159	T3	20050401	ES 1999-965559	19991227
US 6555664	B1	20030429	US 2001-869503	20010628
PRAI EP 1998-124859	A	19981231		
WO 1999-EP10396	W	19991227		
OS MARPAT 133:90729				
GI				



AB The dyes I: R = Me, Bu; R1 H, halogen, cyano, nitro; R2 = halogen, cyano;
 R3 = H, halogen, Cl-4-alkyl, Cl-4-alkoxy; R4 = H, Cl-4-alkyl, halogen, CF3, alkanamido; R5, R6 = Cl-4-alkyl (when R = Me) or alkoxy-carbonyl-ethyl (when R = Bu with the proviso that R4 is not Cl or acetamido) are obtained from 5-aminophthalimide derivs. as the diazo components. I have improved fastness to perspiration and washing, especially when used as disperse

L9 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1990:408015 CAPLUS
 DN 113:8015
 TI Tricyanovinyl group-containing disperse dyes
 IN Liechti, Peter; Clement, Antoine
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 17 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 351367	A2	19900117	EP 1989-810504	19890704
EP 351367	A3	19910918		
R: BE, CH, DE, ES, FR, GB, IT, LI				
US 4992558	A	19910212	US 1989-376790	19890707
BR 8903390	A	19900213	BR 1989-3390	19890711
JP 02073862	A2	19900313	JP 1989-177261	19890711
PRAI CH 1988-2644	A	19880711		
OS MARPAT 113:8015				
GI				



AB The title dyes I [A = Q1-Q3; Z1 = Cl-9 alkyl, C5-7 cycloalkyl, halogen, Cl-4 alkoxy; Q = H, Cl-4 alkyl; Z2 = halogen; m = 0-4; n = 0-3; D = (un)branched C2-6 alkylene; R = H, Cl-12 alkyl, Cl-4 alkoxy, halogen; X = H, Cl-4 alkyl, Cl-4 alkoxy, halogen; Y = H, halogen, Cl-4 alkyl, Cl-4 alkoxy, alkoxyalkyl, alkoxyalkoxy], useful for dyeing or printing of polyester fibers, are prepared Thus, PhN(CH2CH2OH)Et was esterified with 2-phthalimidoacetyl chloride and the intermediate reacted with (NC)2C=C(CN)2, forming I (A = Q2, Q = Z1 = H, m = 1, D = CH2CH2, R = Et, = Y = H), a red-brown powder.

L9 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 dyes on polyester. Thus, 5-amino-6-bromo-N-methylphthalimide-3-[N-[1-(ethoxycarbonyl)ethyl]-N-methylamino]acetanilide was obtained to provide brilliant red shades on polyester.
 RE. CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his full

(FILE 'HOME' ENTERED AT 13:16:01 ON 07 JUN 2006)

FILE 'REGISTRY' ENTERED AT 13:16:09 ON 07 JUN 2006

L1 STRUCTURE UPLOADED

D

L2 0 SEA SSS SAM L1

L3 3 SEA SSS FUL L1

FILE 'CAPLUS' ENTERED AT 13:16:44 ON 07 JUN 2006

L4 3 SEA ABB=ON PLU=ON L3

D QUE L4 STAT

D BIB ABS HITSTR

D 2-3 BIB ABS HITSTR

E CLEMENT ANTOINE/AU

L5 20 SEA ABB=ON PLU=ON "CLEMENT ANTOINE"/AU

E ARQUINT ALFONS/AU

L6 12 SEA ABB=ON PLU=ON "ARQUINT ALFONS"/AU

E LAUK URS/AU

L7 39 SEA ABB=ON PLU=ON ("LAUK URS"/AU OR "LAUK URS H"/AU)

L8 49 SEA ABB=ON PLU=ON L5 OR L6 OR L7

L9 6 SEA ABB=ON PLU=ON L8 AND PHTHALIM?

D QUE L9 STAT

D 1-6 BIB ABS

FILE HOME

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DICTIONARY FILE UPDATES: 6 JUN 2006 HIGHEST RN 887000-62-6

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*

* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *

*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information

on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE CAPLUS

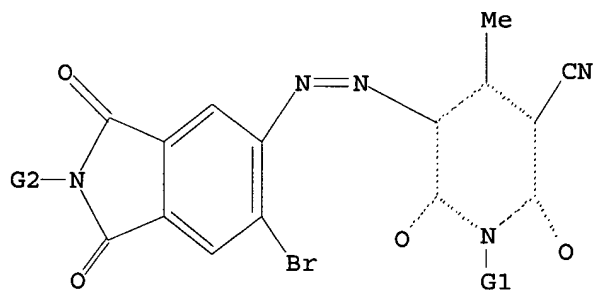
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FILE COVERS 1907 - 7 Jun 2006 VOL 144 ISS 24
FILE LAST UPDATED: 6 Jun 2006 (20060606/ED)

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<http://www.cas.org/infopolicy.html>

=> => d que l13 stat
L10 STR



G1 Me,Et,n-Bu,i-Bu,s-Bu,t-Bu

G2 n-Bu,i-Bu,s-Bu,t-Bu

Structure attributes must be viewed using STN Express query preparation.

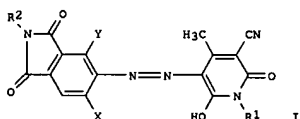
L12 1 SEA FILE=REGISTRY SSS FUL L10

L13 1 SEA FILE=CAPLUS ABB=ON PLU=ON L12

=> d bib abs hitstr

L13 ANSWER 1 OF 1 CAPIUS COPYRIGHT 2006 ACS on STN
 AN 2004:550985 CAPIUS
 DN 141:107626
 TI Phthalimidyldazo dyes, processes for the preparation thereof and the use thereof
 IN Clement, Antoine; Arquint, Alfons; Lauk, Urs
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 18 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FANV.CNT 1

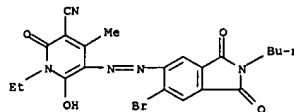
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004056926	A1	20040708	WO 2003-EP50956	20031208
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,				
TG AU 2003300262	A1	20040714	AU 2003-300262	20031208
EP 1572808	A1	20050914	EP 2003-799542	20031208
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1729253	A	20060201	CN 2003-80107116	20031208
JP 2006510772	T2	20060330	JP 2004-561487	20031208
US 2006046596	A1	20060302	US 2005-538892	20050614
PRAI EP 2002-406118	A	20021219		
WO 2003-EP50956	W	20031208		
OS MARPAT 141:107626				
GI				



AB Disperse azo dyes containing phthalimidyld and pyridone groups with improved washfastness in dyeing of hydrophobic fibers have the structure: I (R1 = Cl-12 alkyl or CnH2n(OCH2CH2)mOR3, n = 2-8, m = 0-4, R3 = Cl-12 alkyl, C6-24 aryl, or C6-24 aralkyl, R2 = Me, Et, Pr, Bu, 2-methoxyethyl or 2-ethoxyethyl, X = halo, Y = H, Cl, or Br).

IT 717921-49-BP

L13 ANSWER 1 OF 1 CAPIUS COPYRIGHT 2006 ACS on STN (Continued)
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (disperse phthalimidyldazo dyes contg. pyridone groups with improved washfastness in dyeing hydrophobic fibers)
 RN 717921-49-8 CAPIUS
 CN 3-Pyridinecarbonitrile, 5-[(6-bromo-2-butyl-2,3-dihydro-1,3-dioxo-1H-isoindol-5-yl)azo]-1-ethyl-1,2-dihydro-6-hydroxy-4-methyl-2-oxo- (9CI)
 (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his full

(FILE 'HOME' ENTERED AT 13:16:01 ON 07 JUN 2006)

FILE 'REGISTRY' ENTERED AT 13:16:09 ON 07 JUN 2006

L1 STRUCTURE UPLOADED

D

L2 0 SEA SSS SAM L1

L3 3 SEA SSS FUL L1

FILE 'CAPLUS' ENTERED AT 13:16:44 ON 07 JUN 2006

L4 3 SEA ABB=ON PLU=ON L3

D QUE L4 STAT

D BIB ABS HITSTR

D 2-3 BIB ABS HITSTR

E CLEMENT ANTOINE/AU

L5 20 SEA ABB=ON PLU=ON "CLEMENT ANTOINE"/AU

E ARQUINT ALFONS/AU

L6 12 SEA ABB=ON PLU=ON "ARQUINT ALFONS"/AU

E LAUK URS/AU

L7 39 SEA ABB=ON PLU=ON ("LAUK URS"/AU OR "LAUK URS H"/AU)

L8 49 SEA ABB=ON PLU=ON L5 OR L6 OR L7

L9 6 SEA ABB=ON PLU=ON L8 AND PHTHALIM?

D QUE L9 STAT

D 1-6 BIB ABS

FILE 'REGISTRY' ENTERED AT 13:49:22 ON 07 JUN 2006

L10 STRUCTURE UPLOADED

D

L11 0 SEA SSS SAM L10

L12 1 SEA SSS FUL L10

FILE 'CAPLUS' ENTERED AT 13:50:07 ON 07 JUN 2006

L13 1 SEA ABB=ON PLU=ON L12

D QUE L13 STAT

D BIB ABS HITSTR

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DICTIONARY FILE UPDATES: 6 JUN 2006 HIGHEST RN 887000-62-6

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*

* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *

* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

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